

Fig. 1

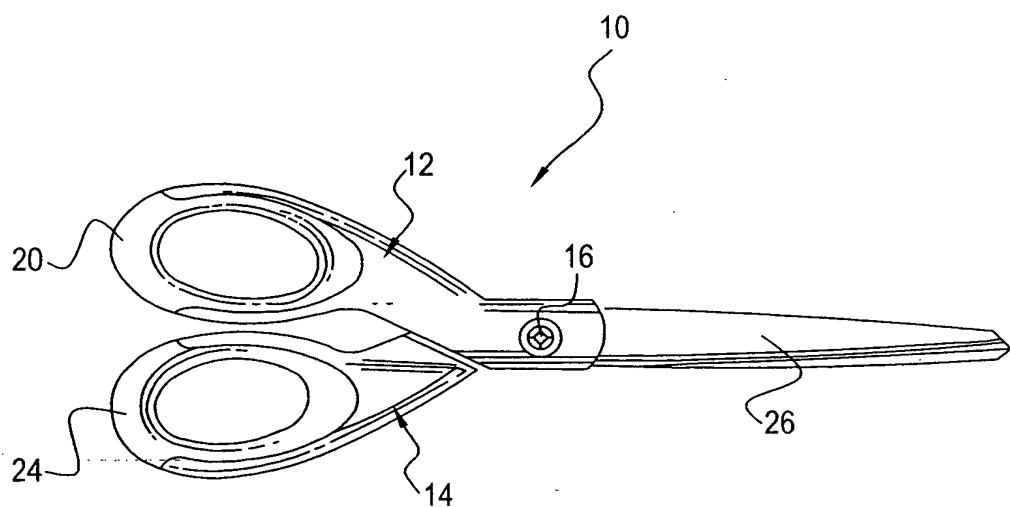


Fig. 2

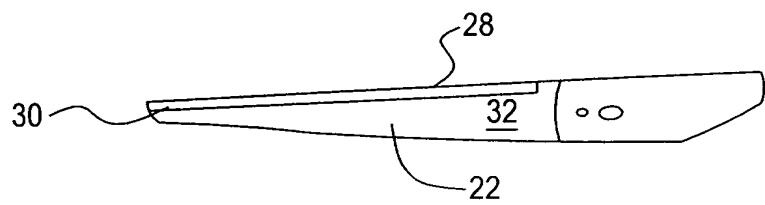


Fig. 3

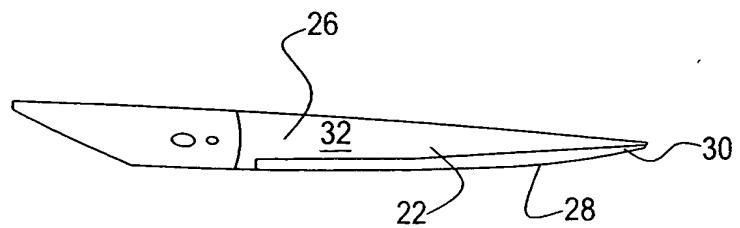


Fig. 4

Sample No.	Target Composition	Average Hardness (Gegapascals)	Hardness Range (Gegapascals)	Appearance
1	None	5.9	5.4 - 6.3	Medium gloss silver
2	100% Ti	7.0	5.8 - 7.2	Satin gold
3	75% Ti / 25% Cr	7.3	5.8 - 8.8	Satin gold
4	50% Ti / 50% Cr	7.4	7.2 - 7.6	Satin silver
5	25% Ti / 75% Cr	7.4	5.7 - 9.1	Satin silver
6	100% Cr	7.9	6.5 - 9.3	Medium gloss silver
7	90% Ti / 10% Cr	6.5	6.1 - 6.9	Satin gold
8	60% Ti / 40% CR	7.1	6.8 - 7.4	Satin gold
9	25% Ti / 75% Cr	7.4	6.9 - 7.9	Satin silver
10	10% Ti / 90% Cr	9.0	8.9 - 9.1	Medium gloss silver

* Shank formed of heat-treated 420 stainless steel in all samples.

Fig. 5

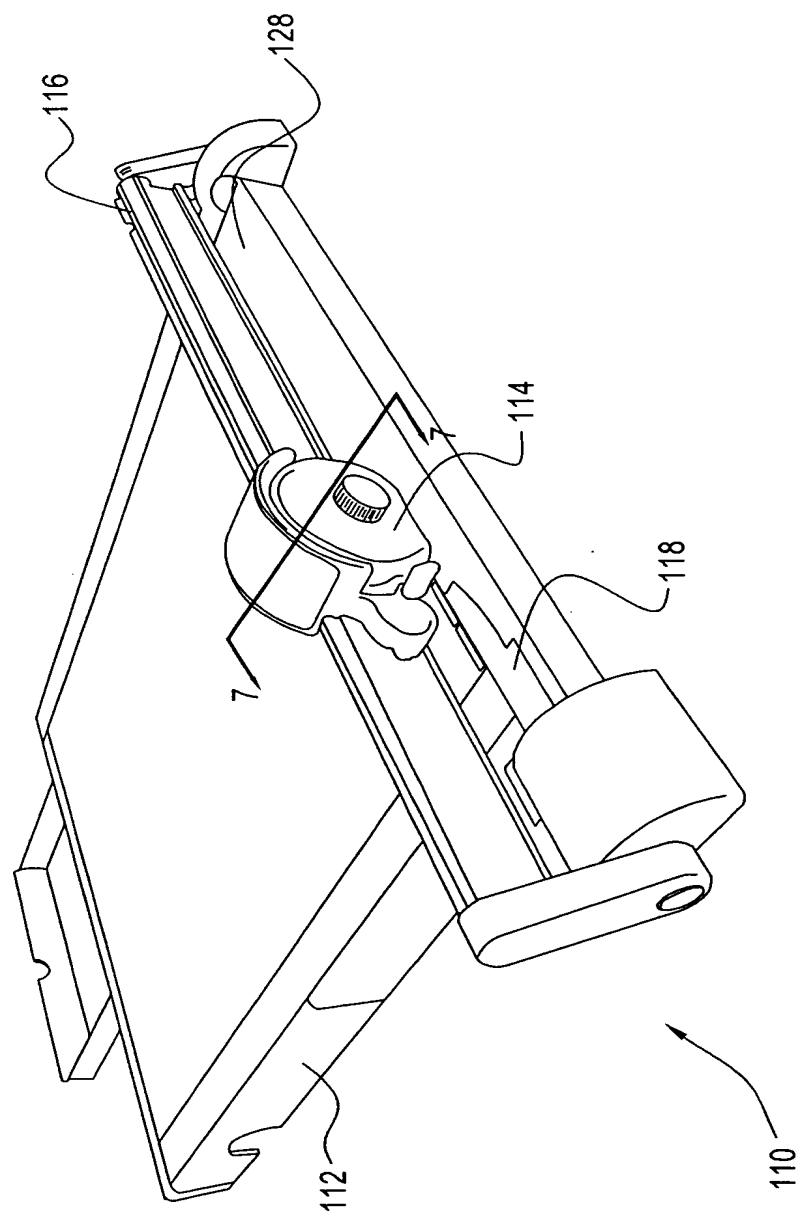


Fig. 6

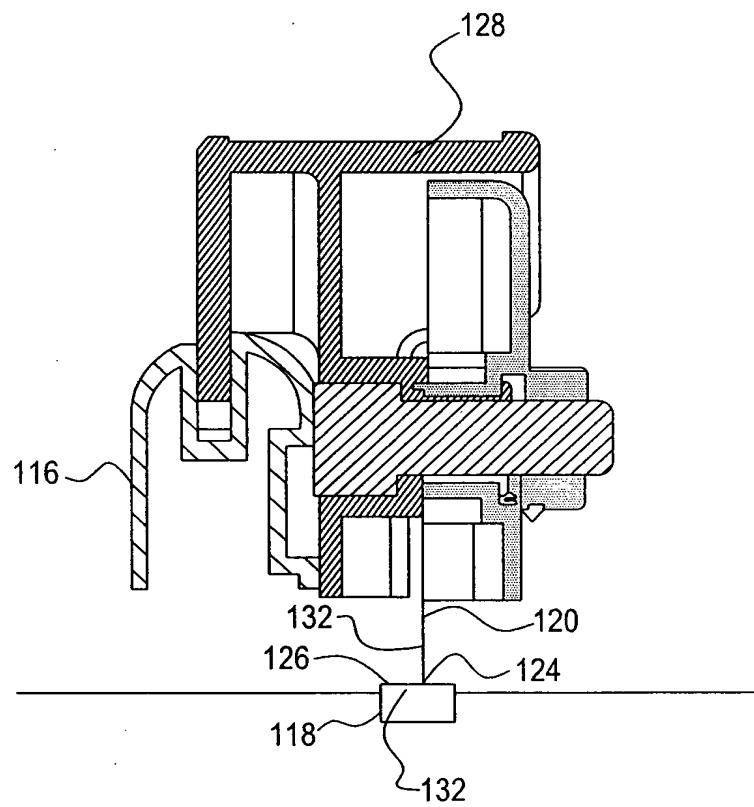


Fig. 7

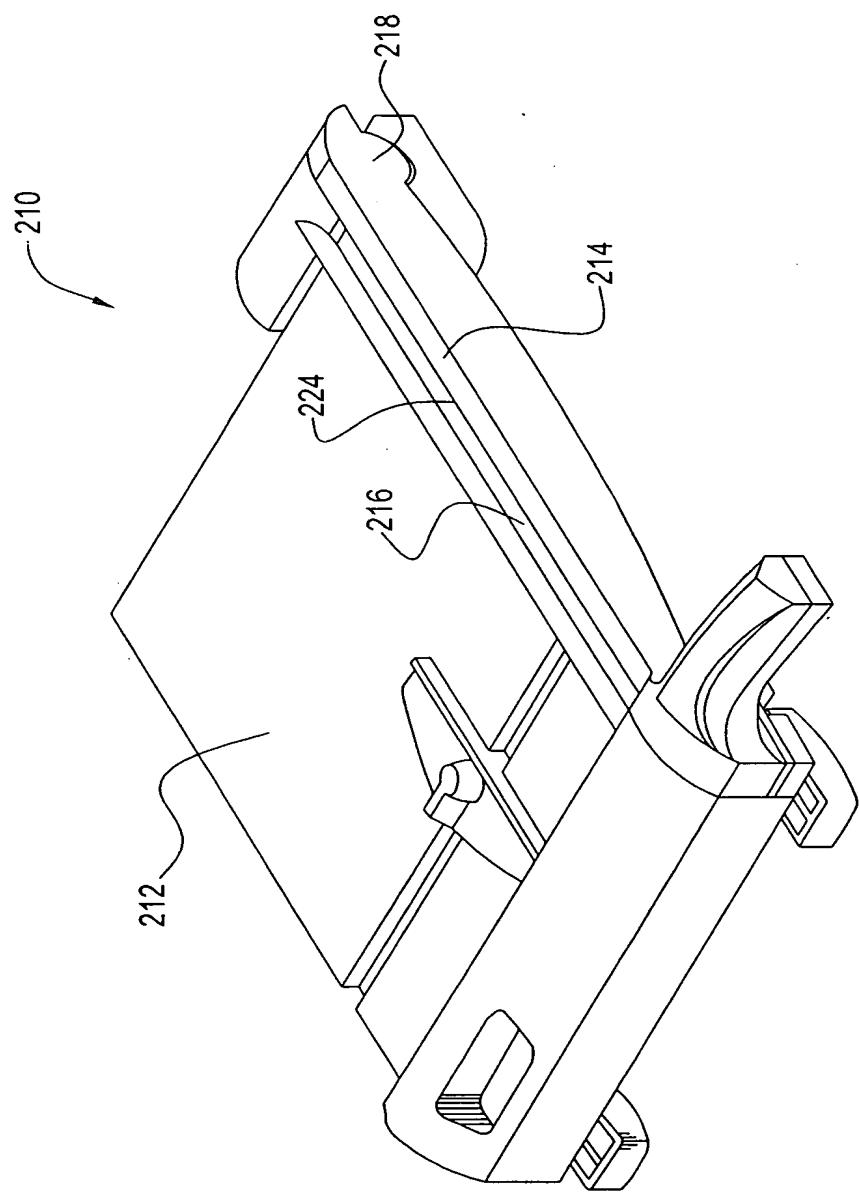


Fig. 8

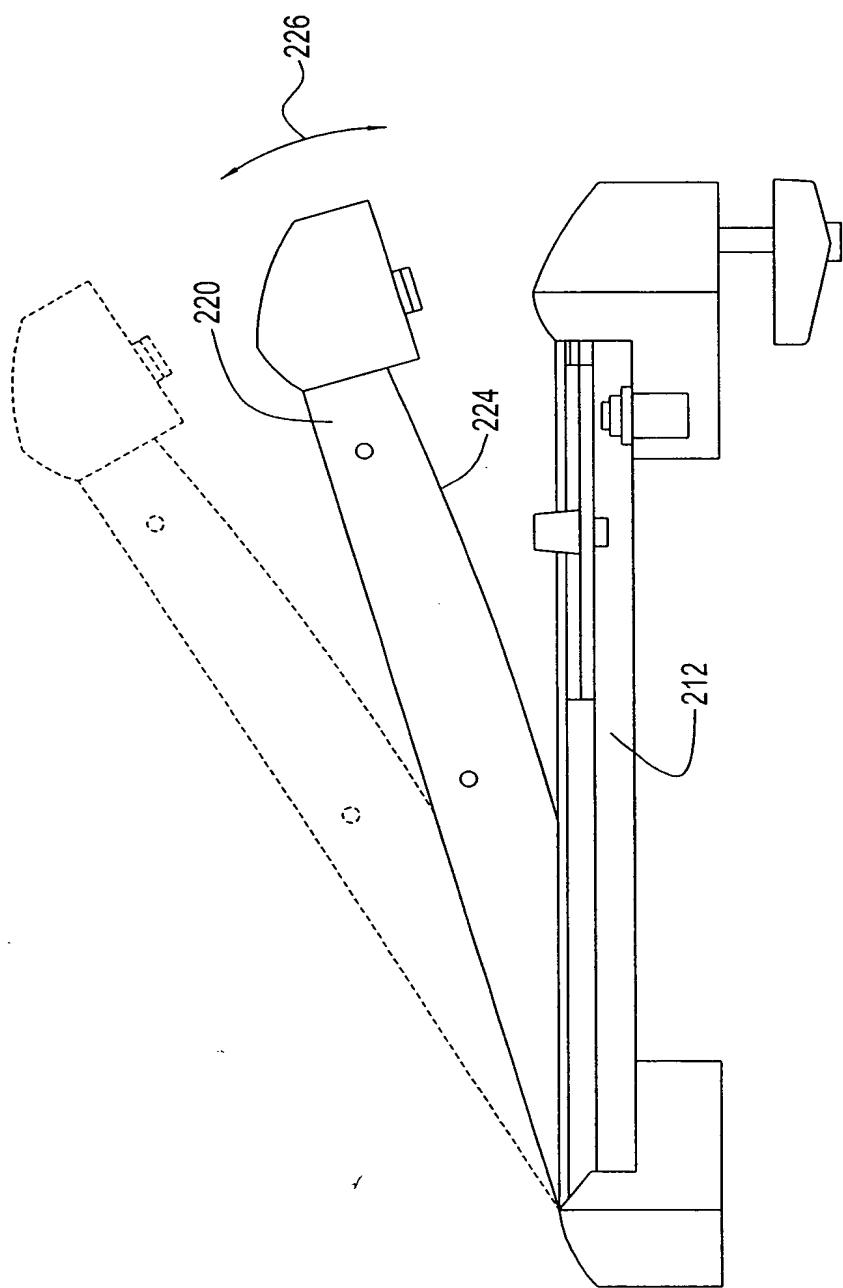


Fig. 9